C-A OPERATIONS PROCEDURES MANUAL

ATTACHMENT

7.1.9.a Valve Configuration for Utility Compressor Purge

C-A OPM Procedures in which this Attachment is used.		
7.1.9		

Hand Processed Changes

HPC No.	Date	Page Nos.	Initials
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Approved:_____**Signature On File**_____ _____
Collider-Accelerator Department Chairman   Date

E. Quimby

Valve Configuration for Utility Compressor Purge

VALVE #	POSITION	DESCRIPTION	P&ID LOCATION
H2373M	CLOSED	Misc.	F8
H2374M	CLOSED	Misc.	F7
H2375A	CLOSED	Main process OUT	B6
H2376A	CLOSED	Main process IN	D8
E2366M	CLOSED	DPSL2388E bypass	E5
E2367M	CLOSED	Misc	D4
E2371M	CLOSED	Oil fill	D5
E2377M	CLOSED	Oil fill	D5
E2387M	CLOSED	Oil make up	E3
E2399M	CLOSED	Oil filter purge	D4
N2366M	CLOSED	Nitrogen vent	B6
N2370M	CLOSED	Nitrogen for regeneration	C5
V2389M	CLOSED	Evacuation	B8
W2393M	CLOSED	Water purge	C3

VALVE #	POSITION	DESCRIPTION	P&ID LOCATION
H2361M	OPEN	PT2360 isolation	D6
H2372M	OPEN	PSH2378H isolation	F8
H2376M	OPEN	DPSI2388E isolation	E4
H2377M	OPEN	PI2378 isolation	F7
H2378M	OPEN	PSL2378H isolation	F7
H2381M	OPEN	PSH2381H isolation	F4
H2386M	OPEN	PI2381 isolation	E4
H2394M	OPEN	CA2378 isolation	B5
E2360M	OPEN	PI2388 isolation	E5
E2362M	OPEN	T2362 isolation	D6
E2363M	OPEN	T2370 isolation	A3
E2364M	OPEN	T2363 isolation	F7
N2369M	OPEN	Nitrogen supply regeneration	C7
E2372M	OPEN	DPSI2388E isolation	E5
E2376M	OPEN	T2362 isolation	D7
E2379M	OPEN	T2363 isolation	G7
E2382M	OPEN	T2368 isolation	A5
E2383M	OPEN	F2384 isolation	D4
E2384M	OPEN	T2368 isolation	A4
E2385M	OPEN	T2369 isolation	A5
E2386M	OPEN	F2384 isolation	D5
E2388M	OPEN	T2370 isolation	A4
E2390M	OPEN	T2371 isolation	A3
E2391M	OPEN	T2371 isolation	A4
E2393M	OPEN	LI2391E isolation	F3
E2394M	OPEN	LI2391E isolation	E3
E2395M	OPEN	F2395 isolation	D3
E2397M	OPEN	T2369 isolation	A4
E2398M	OPEN	PI2398 isolation	D4
N2371M	OPEN	Nitrogen supply	C8
W2367M	OPEN	Coolant bypass adjust	C3

5.12.2 Valve Configuration for Utility Compressor Purge (see P&ID 3A995032)

VALVE #	POSITION	DESCRIPTION	P&ID LOCATION
H3008M	CLOSED	Isolate utly comp from prg sply header	C4
H3009M	CLOSED	Isolate utly comp from HP line	E4
H3010M	CLOSED	Isolate utly comp from LP line	E6
H3013M	CLOSED	Isolate utly comp from prg rtn header	C6
H3031A	CLOSED	Low suction pressure control	D3
H3032M	CLOSED	Isolate purifier discharge from prg sply	D4
H3036M	CLOSED	Isolate utly comp from mags or gas storage	B5
H3039M	CLOSED	HP discharge to cryo purifier	B2
H3041A	CLOSED	Cryo purifier bypass	A3

VALVE #	POSITION	DESCRIPTION	P&ID LOCATION
H3037M	OPEN	Isolate utly comp from purifier	B5
H3043A	OPEN	Feed from purifier to utly comp	D6
H3044A	OPEN	Utly comp suction low pressure control	E6
H3045A	OPEN	Utly comp discharge pressure control high	E5

5.12.3 Valve Configuration for Utly Compressor Used in Main Process Service

VALVE #	POSITION	DESCRIPTION	P&ID LOCATION
H3008M	CLOSED	Isolate utly comp from prg sply header	C4
H3013M	CLOSED	Isolate utly comp from prg rtn header	C6
H3036M	CLOSED	Isolate utly comp from mags or gas storage	B5
H3037M	CLOSED	Isolate utly comp from purifier	B5
H3043A	CLOSED	Feed from purifier to utly comp	D6
H3044A	CLOSED	Utly comp suction low pressure control	E6
H3009M	OPEN	Isolate utly comp from HP line	E4
H3010M	OPEN	Isolate utly comp from LP line	E6
H3045A	OPEN	Utly comp discharge pressure control high	E5

5.12.4 Valve Configuration for Utility Compressor Used for Purging in Conjunction with the Cryogenic Purifier

VALVE #	POSITION	DESCRIPTION	P&ID LOCATION
H3008M	CLOSED	Isolate utly comp from prg sply header	C4
H3009M	CLOSED	Isolate utly comp from HP line	E4
H3010M	CLOSED	Isolate utly comp from LP line	E6
H3015M	CLOSED	Isolate prg rtn line from purifier	B3
H3036M	CLOSED	Isolate utly comp from mags or gas storage	B5
H3043A	CLOSED	Feed from purifier to utly comp	D6
H3049M	CLOSED	Aerosol Bypass	B3
H3050M	CLOSED	Isolate AR301 from prg rtn	3A995022, p.5, D4
H3013M	OPEN	Isolate utly comp from prg rtn header	C6
H3032M	OPEN	Isolate purifier discharge from prg sply	D4

H3037M	OPEN	Isolate utly comp from purifier	B5
H3044A	OPEN	Utly comp suction low pressure control	E6
H3045A	OPEN	Utly comp discharge pressure control high	E5

5.12.5 Valve Configuration for Utility Compressor Used for Gas Transfer Service

VALVE #	POSITION	DESCRIPTION	P&ID LOCATION
H3016A	CLOSED	Purifier feed from gas storage	B3
H3026A	CLOSED	Feed from HP discharge to buffer	D2
H3031A	CLOSED	Low suction pressure control	D3
H3010M	OPEN	Isolate utly comp from LP line	E6
H3018A	OPEN	Low pressure helium feed from buffer	D6
H3025A	OPEN	High suction pressure control	D2
H3027A	OPEN	High pressure helium to gass storage	C2